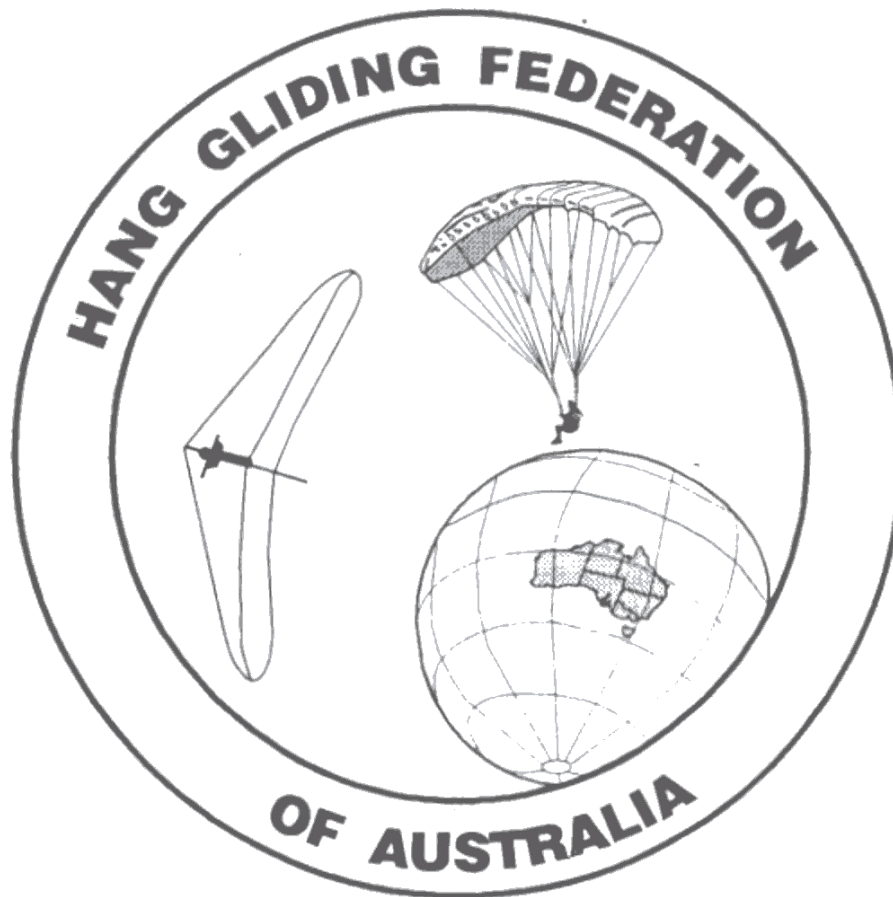


HANG GLIDING FEDERATION of AUSTRALIA



OPERATIONS MANUAL

The preparation and issue of this Operations Manual has been supported by the Australian Sports Commission.

Fifth Edition – Issued – 1 July, 1995

This Fifth Edition of the HGFA Operations Manual has been approved by the Civil Aviation Safety Authority

Hang Gliding Federation of Australia OPERATIONS MANUAL

First Edition published as the TAHGA Handbook, January 1980. Edited by Glen Woodward and Bruce White. Contributing authors included Glen White, Olga White, Leon Arena, Ken Grieves, Marsha Leeman, Steve Conley and Paul Hubbard.

Second Edition published as the HGFA Handbook, December 1982. Edited and updated by Wesley Hill.

Third Edition published as the HGFA Operations Manual, April 1987. Re-written by Chris South with additional material supplied by Martyn Yoemans, Denis Cummings and Phil Mathewson.

Fourth Edition published as the HGFA Operations Manual, December 1992. Re-written by Paul Mollison with additional material supplied by Ian Jarman, Paul Geissler, Ian Ladyman, John Walmsley and a host of others.

Fifth Edition published as the HGFA Operations Manual, July 1995.
Edited and amended by Craig Worth, combining the Fourth Edition Operations Manual (as amended to gain CASA approval) with the previously separate HGFA Powered Hang Gliding Operations Manual.

DISCLAIMER

The information contained in this operations manual is presented in good faith with the intention of:

- (a) promoting safety in the sports of hang gliding, paragliding and weightshift microlighting;
- (b) providing a clear understanding of the responsibilities and privileges of participants in these sports; and
- (c) providing a framework upon which these sports can be administered and allowed to grow in harmony with other airspace users.

As far as possible it represents the best information available at the time of publication. Amendments will be issued as and when necessary.

Please make any amendments as soon as they are issued to keep your manual up to date.

If you notice any errors or omissions please advise the Operations Manager or Executive Director of the HGFA.

Hang Gliding Federation of Australia OPERATIONS MANUAL

PREFACE

This manual is a manual of procedures developed to allow the Hang Gliding Federation of Australia to discharge its responsibilities in administering the related sports of hang gliding, paragliding and weightshift microlighting in Australia. This manual is not meant to be a "how to fly" handbook.

In the pages of this manual you find information on:

- (a) Government Regulations;
- (b) Regulations implemented by HGFA;
- (c) Recommendations for standard procedures and practices; and
- (d) References to other manuals and publications where specific requirements or recommendations are described in more detail.

To allow users of this manual to distinguish between regulations, which by definition are obligatory, and recommendations the following convention is used:

Regulations or text with the force of regulations are presented in *italics*

Recommendations or other information are presented in normal type.

As cross country flying becomes more common and airspace regulations change, our contact with other airspace users grows. This makes your knowledge of your rights, your privileges and your responsibilities as an airspace user vital.

This operations manual provides a starting point upon which you can build your knowledge and experience. Appendix 1 includes details of reference books available that will help to fill the gaps.

TABLE OF CONTENTS

SECTION 1	7
INTRODUCTION	7
1.1 The Hang Gliding Federation of Australia Incorporated.....	7
1.2 About this Manual.....	7
1.3 Checklist of Current Pages.....	9
1.4 Amendment Record	11
SECTION 2	13
ORGANISATION AND ADMINISTRATION.....	13
2.1 The Hang Gliding Federation of Australia	13
2.2 Membership of HGFA.....	20
2.3 The Organisation of HGFA.....	26
SECTION 3	31
THE REGULATIONS	31
3.1 Civil Aviation Act.....	31
3.2 Civil Aviation Regulations	31
3.3 Air Navigation Act and Air Navigation Regulations	32
3.4 Civil Aviation Orders.....	32
3.5 Civil Aviation Orders 95.8.....	33
3.6 Civil Aviation Orders 95.10.....	37
3.7 Civil Aviation Orders 95.32.....	43
SECTION 4	48
DEFINITIONS.....	48
SECTION 5	54
HGFA SAFETY SYSTEM	54
5.1 Determining a Level of Safety	54
5.2 Aims and Objectives of the Safety System	55
5.3 Elements of the HGFA Safety System	55
5.4 Responsibility of Pilots, Clubs, Duty Pilots and Safety Officers.....	58
5.5 Accident and Incident Reporting	65
SECTION 6	70
OPERATIONS.....	70
6.1 Pilot Certification	70
6.2 Control of Operations – Hang Gliding and Paragliding Sites	74
6.3 Control of Operations – Airfields	75
6.4 Equipment Requirements.....	81
6.5 Flight Rules.....	84
6.6 Aircraft Radio.....	88
6.7 Rules of the Air.....	90
6.8 Airspace, Navigation, Weather and Flight Information.....	93

**Hang Gliding Federation of Australia
OPERATIONS MANUAL**

SECTION 7	104
PILOT CERTIFICATES AND ENDORSEMENTS	104
7.1 General Requirements	104
7.2 Suspension or Cancellation of Pilot Certificates	105
7.3 Issue and Renewal of Pilot Certificates - Hang Gliding and Paragliding	108
7.4 Pilot Certificate Endorsements - Hang Gliding and Paragliding.....	116
7.5 Issue and Renewal of Instructor Certificates - Hang Gliding and Paragliding	124
7.6 Issue and Renewal of Pilot Certificates - Weightshift Microlighting	139
7.7 Pilot Certificate Endorsements - Weightshift Microlighting	144
7.8 Issue and Renewal of Instructor Certificates - Weightshift Microlighting	148
SECTION 8	164
PILOT FLIGHT TRAINING	164
8.1 Risks and Hazards	164
8.2 Pilot Flight Training.....	164
8.3 Syllabus of Flight Training.....	166
8.4 Syllabus of Basic Aeronautical Knowledge	174
8.5 Syllabus of HGFA Radio Operators Endorsement.....	180
8.6 Establishment of Flight Training Facilities.....	182
SECTION 9	186
EQUIPMENT	186
9.1 Equipment Design and Performance Standards.....	186
9.2 Equipment Assembly and Inspection Standards.....	189
9.3 Pre-flight Inspection Standards	191
9.4 Hang Glider Maintenance Standards	193
9.5 Paraglider Maintenance Standards.....	198
9.6 Weightshift Microlight Maintenance Standards	201
9.7 Periodic Inspections	201
9.8 Aircraft Log Book.....	206
9.9 Defects, Repairs and Modifications.....	208
9.10 Basic Engineering - Weightshift Microlights	210
SECTION 10	213
COMPETITIONS, AWARDS AND RECORDS	213
10.1 Competitive Flying.....	213
10.2 FAI Proficiency Awards	213
10.3 Records	215
10.4 FAI Official Observers	215
10.5 Documentation Requirements.....	215

**Hang Gliding Federation of Australia
OPERATIONS MANUAL**

APPENDIX 1	REFERENCE MATERIAL	217
APPENDIX 2	OPERATIONAL CONSTRAINTS AND CONCESSIONS.....	223
APPENDIX 3	ACCIDENT AND INCIDENT REPORT FORM	227
APPENDIX 4	HANG GLIDERS FOR WHICH COMPLIANCE WITH ACCEPTABLE DESIGN STANDARDS HAS BEEN DEMONSTRATED	229
APPENDIX 5	APPLICATION FOR APPOINTMENT AS AN OFFICIAL OBSERVER AND SPORTING LICENCE FOR THE FEDERATION AERONAUTIQUE INTERNATIONALE	233